

AMENDMENTS TO THE SPECIFICATION

I. On page 2, lines 1-16, please amend as follows:

"a) on the hub, the vaneless zone ~~is~~ is defined by parameters selected from a set of $A=B=C=D=E=0$ ~~;~~ F=0.6605 ~~;~~ G=20.45 ~~;~~ or a set of $A=0$, $B=0$, $C=-1E-05$, $D=0.0073$, $E=-1.7542$, $F=186.27$, $G=-7311.6$;

b) on the shroud, the vaneless zone ~~is~~ is defined by parameters selected from a set of $A=B=C=D=E=0$ ~~;~~ F=0.7225 ~~;~~ G=55.648 ~~;~~ or a set of $A=0$, $B=0$, $C=0$, $D=0.0053$, $E=-2.6745$, $F=446.37$, $-G=24717$;

c) on the hub, the vaned zone ~~is~~ is defined by a parameter set : $A=-9E-09$; $B=7E-06$; $C=-0.0019$; $D=0.3064$; $E=-26.923$; $F=1256.3$; $G=-24283$;

d) on the shroud, the vaned zone is defined by a parameter set: $A=1E-10$; $B=-9E-08$; $C=2E-05$; $D=-0.0033$; $E=0.2349$; $F=-7.616$; $G=174.28$;

~~e) on the hub, the vaneless zone; $A=0$; $B=0$; $C=-1E-05$; $D=0.0073$; $E=-1.7542$; $F=186.27$; $G=-7311.6$;~~

~~f) on the shroud, the vaneless zone; $A=0$; $B=0$; $C=0$; $D=0.0053$; $E=-2.6745$; $F=446.37$; $-G=24717$;~~

~~g)~~ e) on the hub, B is defined by a parameter set:

A=0; B=0; C=1E-06; D=-0.0002; E=0.0203; F=-1.0819;
G=156.82; and

h_f) on the shroud, B_r is defined by a parameter set:
A=0; B=0; C=3E-07; D=-1E-04; E=0.0101; F=-0.7587; G=175."

II. Please amend the fourth paragraph of page 9
into following paragraph:

"With this geometry represented on co-ordinate axes
where the Y-axis of the pump is the ordinate reference
(Y=R) and X =Z is the radial co-ordinate on the ~~Y~~-X-
abscissas, and applying the mathematical technique to
this geometry, he has developed a simple equation, but
one that complies with the experimental results obtained
and that has an error margin of $\pm 3.5\%$."

III. Please add the following description after line
15 of page 3:

"Figure 8 is a general illustration of the
multistage pump body of this invention, in which all the
segments compose an integrate multistage pump. It
typically includes and an inlet part (segment 6, as a
part the impeller), an impeller part (segment 7) and a

diffuser part (segments 8, 9 and 10). In particular, Segment 6 is the inlet, vaneless segment or the impeller part; Segment 7 is the Impeller Bladed segment; Segment 8 is the vaneless segment of a diffuser; Segment 9 is the bladed or vaned segment of a diffuser and Segment 10 is the outlet, vaneless segment of a diffuser."

IV. Please add the following explanations into the nomenclature part after line 16 of page 3:

"Impeller: the rotating member of a pump responsible for the work input and the consequent pressure rise. Also known as the rotor or wheel.

Diffuser: A bladed or vaneless annular space immediately after the impeller where high levels of kinetic energy leaving the impeller are converted to static pressure rise.

Pressure: A measure of force per unit area at any location within a fluid.

Hub: Radially innermost flow contour of a pump flow path.

Shroud: The outermost radial contour of a pump flow path."